

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (currently amended): A honeycomb structural body comprising:

at least one or plural pillar-shaped porous ceramic members in which many member having a plurality of through-holes are arranged side by side extending in a longitudinal direction of the at least one pillar-shaped porous ceramic member, the plurality of though holes partitioned by a plurality of through partition walls, and either one end portions of these the through-holes [[are]] being plugged at one end portion of the at least one pillar-shaped porous ceramic member,

wherein characterized in that the partition wall forming the structural body has walls have a surface roughness of not less than 10 μm as a maximum roughness Rz defined in JIS B0601-2001 and an average pore size of 5-100 μm in a pore distribution measured by a mercury pressure method, and satisfy satisfies the following relationship:

$$A \leq 90-B/20$$

$$A \geq 90-B/20$$

when a ratio pores having a pore size of 0.9-1.1 times the average pore size to total pore volume is A (%) and a thickness of the partition [[wall]] walls is B (μm).

Claim 2 (canceled)

Claim 3 (currently amended): A honeycomb structural body according to claim 1, wherein the partition ~~wall forming the structural body has a surface roughness of not less than 10 μm as a maximum roughness Rz defined in JIS B0601-2001 and an average pore size of 5-100 μm in a pore distribution measured by a mercury pressure method, and satisfies~~ walls satisfy the following relationship:

$$A \leq 100-B/20$$

when a ratio pores having a pore size of 0.9-1.1 times the average pore size to total pore volume is A (%) and a thickness of the partition ~~[[wall]]~~ walls is B (μm).

Claim 4 (currently amended): A honeycomb structural body according to claim 1, wherein the ~~[[a]]~~ maximum roughness Rz showing the surface roughness is not more than 100 μm .

Claim 5 (currently amended): A honeycomb structural body according to claim 1, wherein the surface of the partition ~~wall separating the through hole is~~ walls are provided with a coating layer of a catalyst.

Claim 6 (currently amended): A honeycomb structural body according to claim 1, wherein the at least one pillar-shaped porous ceramic member comprises a plurality of pillar-shaped porous ceramic members ~~[[are]]~~ bundled by interposing a sealing material layer between ~~said members~~ the pillar-shaped porous ceramic members.

Claim 7 (currently amended): A honeycomb structural body according to claim 1, wherein the at least one pillar-shaped porous ceramic member is made of a silicon carbide ceramic.

Claim 8 (currently amended): A filter for an exhaust gas purification apparatus in a vehicle comprising the honeycomb structural body according to claim 1, ~~wherein said body is used as a filter for an exhaust gas purification apparatus in a vehicle.~~